

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA2/CD85h/ILT1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) ILT2, 3, 4, 5, rhLIR6, or rhLIR8 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 600007
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA2/CD85h/ILT1 Pro17-Ser437 Accession # Q8N149
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human peripheral blood monocytes

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Immune-like transcript 1 (ILT1), also known as leukocyte immunoglobulin-like receptor 7 (LIR-7), leukocyte immunoglobulin-like receptor subfamily A member 2 (LILRA2), and CD85H, is a 51 kDa (unglycosylated) type I transmembrane glycoprotein and member of the leukocyte immunoglobulin-like receptor family. Human ILT1 is synthesized as a 483 amino acid (aa) precursor that contains a 23 aa signal sequence, a 426 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 13 aa cytoplasmic region. The ECD contains four Ig-like C2-type domains and seven potential sites for N-linked glycosylation. A splice variant produces a second isoform that has a one aa substitution for aa 419-436 in the longer form. There are no murine orthologs for human ILT1. ILT1 may act as a receptor for class I MHC antigens.

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